



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : C. Cantor *et al.*

Serial No. : 09/395,409

Confirmation No.: 6005

Filed : September 14, 1999

Title : **SOLID PHASE SEQUENCING OF BIOPOLYMERS**

Art Unit : 1637

Examiner : Heather Calamita

Customer No. :20985

**Mail Stop Amendment**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**TRANSMITTAL LETTER**

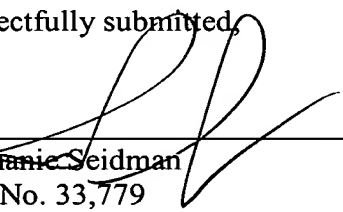
Dear Sir:

Transmitted herewith are a Supplemental Information Disclosure Statement, Form PTO-1449 (1 page), copy of a European Summons to Attend Oral Proceedings, cited non U.S. patent documents, a check in the amount of \$180.00, and a return postcard for filing in connection with the above-identified application.



The Commissioner is hereby authorized to charge any fees that may be due in connection with this paper or with this application during its entire pendency to Deposit Account No. 06-1050. A duplicate of this sheet is enclosed.

Respectfully submitted,

  
Stephanie Seidman  
Reg. No. 33,779

Attorney Docket No. 17120-006004/2403D

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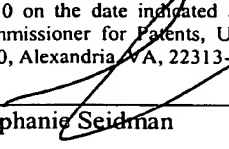
email: seidman@fr.com

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

"Express Mail" Mailing Label Number EV 740126017 US

Date of Deposit: November 14, 2006

I hereby certify that this paper is being deposited with the United States Postal "Express Mail Post Office to Addressee" Service under 37 CFR §1.10 on the date indicated above and is addressed to: Mail Stop RCE, Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA, 22313-1450.

  
Stephanie Seidman



11-16-06 1/10 1637#  
Attorney's Docket No.: 17120-006004/2403D

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN  
ACCORDANCE WITH 37 C.F.R. §§ 1.97-1.98**

Because this Supplemental Information Disclosure Statement is filed after the receipt of a First Office Action on the Merits for the above-captioned application, a check for the filing fee of \$180.00 is enclosed. If no proper payment is enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal, or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 06-1050.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all information known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. Forms PTO-1449 (1 page) and copies of the cited non U.S. Patent documents are provided herewith.

The documents cited on the Forms PTO-1449 are in the English language. Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

Provided herewith is a copy of a European Summons to Attend Oral Proceedings, issued May 23, 2005, in connection with European Patent Application No. 96912743

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**  
"Express Mail" Mailing Label Number EV 740126017 US

Date of Deposit: **November 14, 2006**

I hereby certify that this paper is being deposited with the United States Postal "Express Mail Post Office to Addressee" Service under 37 CFR §1.10 on the date indicated above and is addressed to: Mail Stop RCE, Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA, 22313-1450.

Stephanie Seidman

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(Attorney Docket No. 17120-004EP1/ 2402EP), which is a national stage filing of International Patent Application No. PCT/US96/05136, which claims priority to U.S. Patent Application Serial No. 08/420,009. The instant application is a continuation of U.S. Patent Application Serial No. 08/470,716, which is a continuation of U.S. Patent Application Serial No. 08/470,835 and ultimately claims priority to U.S. Patent Application Serial No. 08/420,009. Hence the instant application and European Patent Application No. 96912743 claim priority ultimately to the same application. In the Summons to Attend Oral Proceedings, Examiner cites seven documents: D1) WO 94/11530, D2) WO 94/16101, D12) Cantor *et al.*, "Sequence-directed DNA manipulation for enhanced mapping and sequencing", Human Genome Program, US Department of Energy, DOE Human Genome Program Contractor-Grantee Workshop IV, (1994), D13) Taranenko *et al.*, "Matrix-assisted laser desorption/ionization for sequencing", *Rapid communications in mass spectrometry*, 11(4):386-392 (1997), D14) Cantor *et al.*, "The future of DNA sequencing methods and applications mass spectrometry in the biological sciences", Humana Press, Totowa, NJ, US, (1996), D15) Köster *et al.*, "A strategy for rapid and efficient DNA sequencing by mass spectrometry", *Nature Biotechnology*, 14:1123-1128 (1996), and D16) Shaler *et al.*, "Analysis of Enzymatic DNA sequencing reactions by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight mass spectrometry", *Rapid communications in mass spectrometry*, 9(10):942-947 (1995). Documents D1, D3, D12, D14 and D15 have already been made of record in the instant application in Information Disclosure Statements, supplied with Forms PTO-1449 and copies of the cited non U.S. patent documents, filed January 24, 2001 and September 11, 2003. Documents D13 and D16 are being made of record in this Information Disclosure Statement, supplied with Forms PTO-1449 and copies of the cited non U.S. patent documents.

Applicant also makes known to the Examiner the following pending U.S. Applications that have one or more common inventors and/or are commonly owned:

**U.S.S.N.(App. No.)**  
11/259,426

**Filing Date**  
10/25/05

**Docket No.**  
17120-004005/ 2402E

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the documents or information, singly or in any combination thereof, is effective as prior art against the subject

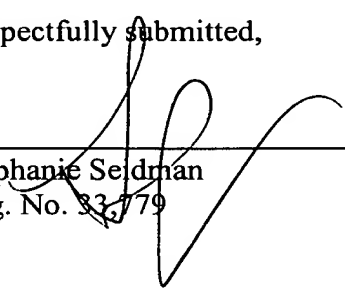
Applicant : C. Cantor et al.  
Serial No. : 09/395,409  
Filed : September 14, 1999

Attorney's Docket No.: 17120-006004/2403D  
**Supplemental Information Disclosure Statement**

application. In accordance with 37 C.F.R. §1.97 (g) and (h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Applicant respectfully requests that the Examiner review the foregoing documents and they be made of record in the file history of the above-captioned application.

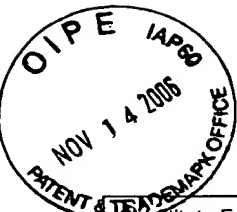
Respectfully submitted,



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Stephanie Seidman  
Reg. No. 33,779

Attorney Docket No. 17120-006004/2403D  
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<b>Substitute Form PTO-1449</b> (Modified)  <b>Information Disclosure Statement</b> <b>by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	<b>U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>	<b>Attorney's Docket No.</b> 17120-006004/2403D	<b>Application No.</b> 09/395,409
	<b>Applicant</b> C. Cantor et al.		
	<b>Filing Date</b> September 14, 1999		<b>Group Art Unit</b> 1637

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,436,635	8/20/2002	Fu et al.	435	006	3/12/1996
	AB	6,991,903	1/31/2006	Fu et al.	435	006	4/30/2002
	AC	2006/0063193	3/23/2006	Fu et al.	435	006	10/25/2005

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
-		none						

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AD	Shaler et al., "Analysis of Enzymatic DNA sequencing reactions by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight mass spectrometry", <i>Rapid Communications in Mass Spectrometry</i> 9(10):942-947 (1995)
	AE	Taranenko et al., "Matrix-assisted laser desorption/ionization for sequencing", <i>Rapid Communications in Mass Spectrometry</i> 11(4):386-392 (1997)

<b>Examiner Signature</b>	<b>Date Considered</b>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)